

SEQUENCE LISTING

<110> BRIGGS, MICHAEL R.  
SALADIN, REGIS S.  
AUWERX, JOHAN  
FAJAS, LLUIS

<120> HUMAN PEROXISOME PROLIFERATOR ACTIVATED RECEPTOR GAMMA  
(PPAR $\gamma$ ) GENE REGULATORY SEQUENCES AND USES THEREFOR

<130> 234/231

<140> TO BE ASSIGNED  
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<150> PCT/US98/15411  
<151> 1998-07-24

<150> US 60/053,692  
<151> 1997-07-25

<160> 60

<170> FastSEQ for Windows Version 3.0

<210> 1  
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<212> DNA  
<213> Human PPAR $\gamma$ 1 proximal promoter, exon A1, and intron A1  
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<210> 2  
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<212> DNA  
<213> Human PPAR $\gamma$ 1 promoter

&lt;400&gt; 2

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&lt;210&gt; 3

&lt;211&gt; 2045

&lt;212&gt; DNA

<213> Human PPAR $\gamma$ 2 promoter, exon B, and intron B

&lt;400&gt; 3

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&lt;211&gt; 27

&lt;212&gt; DNA

&lt;213&gt; LF-2

&lt;400&gt; 4

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&lt;210&gt; 5

&lt;211&gt; 27

&lt;212&gt; DNA

&lt;213&gt; LF-14

&lt;400&gt; 5

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&lt;210&gt; 6

&lt;211&gt; 27

&lt;212&gt; DNA

&lt;213&gt; LF-18

&lt;400&gt; 6

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27

&lt;210&gt; 7

&lt;211&gt; 30

&lt;212&gt; DNA

&lt;213&gt; LF-20

&lt;400&gt; 7

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30

&lt;210&gt; 8

&lt;211&gt; 30

&lt;212&gt; DNA

&lt;213&gt; LF-21

&lt;400&gt; 8

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30

&lt;210&gt; 9

&lt;211&gt; 29

&lt;212&gt; DNA

&lt;213&gt; LF-22

&lt;400&gt; 9

gcaattgaat gtcgtgtctg tggagataa

29

&lt;210&gt; 10

&lt;211&gt; 29

&lt;212&gt; DNA

&lt;213&gt; LF-23

&lt;400&gt; 10

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29

30

29

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29

29

<210> 16  
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<400> 16

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29

<210> 17  
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<212> DNA  
<213> LF-33

<400> 17

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28

<210> 18  
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<400> 18

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28

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<400> 19

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24

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<400> 22

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24

<210> 24

<211> 26

<212> DNA

<213> AII J PPRE

<400> 24

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26

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<212> DNA

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<210> 28

<211> 20

<212> DNA

<213>  $\gamma$ S

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20

<210> 29

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<212> DNA

<213>  $\gamma$ 2S

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19

<210> 30

<211> 52

<212> DNA

<213> Oligonucleotide

<220>

<223> "n" stands for a, g, c or t.

"v" stands for a, g or c.

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52

<210> 31

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<212> DNA

<213> PPAR $\gamma$ 1 proximal promoter

SD-143565.1



&lt;400&gt; 31

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gccgcagccg ccgcctgggg cgcttgggtc ggcctcgagg acaccggaga ggggcgccac      180
gccgccgtgg ccgcagaaat g                                     201

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&lt;210&gt; 32

&lt;211&gt; 177

&lt;212&gt; DNA

<213> PPAR $\gamma$ 2 proximal promoter

&lt;400&gt; 32

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agatagagac aaaatatcag tgtgaattac agcaaacca tattccatgc tgttatg       177

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&lt;210&gt; 33

&lt;211&gt; 468

&lt;212&gt; DNA

<213> PPAR $\gamma$ 3 proximal promoter

&lt;400&gt; 33

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ccaatatata acaaggccat tttgtcaaac gagagtcagc cttaacg                468

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&lt;210&gt; 34

&lt;211&gt; 1463

&lt;212&gt; DNA

<213> PPAR $\gamma$ 3 promoter, exon A2, and intron A2

&lt;400&gt; 34

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agaaataact caaatcctta aaa 1463

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<210> 35  
 <211> 695  
 <212> DNA  
 <213> Intron B, exon 1, and intron 1

<400> 35

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ctcaattgat gacctaattg agaagttaat gagagcaggc ctggtggcaa aaaggcattt 180
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gtatgatgtt tgttttcact tttcagacta ctagg 695

```

<210> 36  
 <211> 313  
 <212> DNA  
 <213> Intron 1, exon 2, and intron 2

<400> 36

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<210> 37  
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 <212> DNA  
 <213> Intron 2, exon 3, and intron 3  
 <400> 37

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ttttaggtca gtgtttttta agttttatta tagaaccttt ctctctgtgg ttgggcatct 420
gccatgagga gaaaagagac ttgaaaaatc tgggggatta tgggaaaaac ctt 473

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<210> 38  
 <211> 706  
 <212> DNA  
 <213> Intron 3, exon 4, and intron 4

<400> 38

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agcaaaggcg agggcgatct tgacaggaaa gacaacagac aaatcagtta gttctcttct 660
gctgtcttca ttgggggagg cggaagtgtg ttttgggatt tttgtt 706

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<210> 39  
 <211> 732  
 <212> DNA  
 <213> Intron 4, exon 5, and intron 5

<400> 39

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gggaaagaag accaaaattg gtgaaatatg tttgggccca gaagataatt aagatgaata 60
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caaagcaagt ttacataaac agttttctga acctgggatg gcatttactg tgagttagaa 180
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gaattcctta atgatgggag aagataaaat caagttcaaa cacatcacc cctgcagga 300
gcagagcaaa gaggtggcca tccgcattct tcagggctgc cagtttcgct ccgtggaggc 360
tgtgcaggag atcacagagt atgccaaaag catttctggt tttgtaaatc ttgacttgaa 420
cgaccaagta actctctca aatatggagt ccacgagatc atttacacaa tgctggcctc 480
cttgatgaat aaagatgggg ttctcatatc cgagggccaa ggcttcatga caagggagtt 540
tctaaagac ctgcgaaagc cttttgtgta ctttatggag cccaagtttg agtttgctgt 600
gaagttcaat gcactggaat tagatgacag cgacttggca atatttattg ctgtcattat 660
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ggtggccaaa ag 732

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<210> 40  
 <211> 592  
 <212> DNA  
 <213> Intron 5, exon 6, and 3' UTR

<220>

<223> "n" stands for a, g, c or t.

<400> 40

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cacgtgcagc tactgcaggt gatcaagaag acggagacag acatgagtct tcacccgctc 360
ctgcaggaga tctacaagga cttgtactag cagagagtcc tgagccactg ccaacatttc 420
ccttcttcca gttgcactat tctgagggaa aatctgacca taagaaattt actgtgaaaa 480
agcgttttta aaagaaaagg gtttagaata tgatctattt tatgcatatt gtttataaag 540
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<210> 41  
 <211> 13  
 <212> DNA  
 <213> PPAR $\gamma$ 3-E-box

<400> 41

attcatgtga cat

13

<210> 42  
 <211> 13  
 <212> DNA  
 <213> PPAR $\gamma$ 3-E-box

<400> 42

attcatgcat cat

13

<210> 43  
 <211> 13  
 <212> DNA  
 <213> A1 (97) Donor

<400> 43

cgcaggtcag agt

13

<210> 44  
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<212> DNA  
<213> A1 (97) Acceptor  
  
<400> 44  
ttgttaagat ttg 13

<210> 45  
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<212> DNA  
<213> A2 (74) Donor  
  
<400> 45  
taacggtaag taa 13

<210> 46  
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<212> DNA  
<213> A2 (74) Acceptor  
  
<400> 46  
cctttcagaa atg 13

<210> 47  
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<212> DNA  
<213> B (211) Donor  
  
<400> 47  
caaggtaaag tt 12

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cctttcagaa atg 13

<210> 49  
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<213> 1 (213) Donor

<400> 49

caaagtatga tg

12

<210> 50  
<211> 13  
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<213> 1 (231) Acceptor

<400> 50

atacacaggt gca

13

<210> 51  
<211> 12  
<212> DNA  
<213> 2 (170) Donor

<400> 51

caaggtaatt aa

12

<210> 52  
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<212> DNA  
<213> 2 (170) Acceptor

<400> 52

ctttgcaggg tt

12

<210> 53  
<211> 12  
<212> DNA  
<213> 3 (139) Donor

<400> 53

aatggtaagt aa

12

<210> 54  
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<213> 3 (139) Acceptor

<400> 54

ctctatagcc atc

13

<210> 55

<211> 12

<212> DNA

<213> 4 (203) Donor

<400> 55

atcagttagt tc

12

<210> 56

<211> 12

<212> DNA

<213> 4 (203) Acceptor

<400> 56

atttcagcc at

12

<210> 57

<211> 12

<212> DNA

<213> 5 (451) Donor

<400> 57

ggaggtaaga tt

12

<210> 58

<211> 13

<212> DNA

<213> 5 (451) Acceptor

<400> 58

ttccccagac cgc

13

<210> 59

<211> 12

<212> DNA

<213> 6 (248) Donor

&lt;400&gt; 59

tactagcaga ga

12

&lt;210&gt; 60

&lt;211&gt; 44

&lt;212&gt; DNA

&lt;213&gt; Oligonucleotide

&lt;400&gt; 60

ctaatacgac tcactatagg gctcgagcgg ccgcccgggc aggt

44